

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) ~~Method A method of storing user data on and of reading stored user data from a rewritable data storage medium comprising a read-only fixed data area and a recordable data area wherein, said method comprising the steps of:~~

5 ~~— storing system data are stored in the recordable data area, of the rewritable data storage medium;~~

— ~~generating a cryptographic summary of the system data;~~
~~storing the cryptographic summary is generated and stored in the fixed data area of the rewritable data storage medium;~~

10 ~~verifying the system data stored in the recordable data area using the stored cryptographic summary; and~~

— ~~enabling the cryptographic summary is used for verification of the system data before reading and/or recording of user data in dependence on the verifying step.~~

2. (Cancelled).

3. (Currently Amended) ~~Method The method as set forth claimed~~
in claim 1, characterized in that a hash function is used for generating the cryptographic summary and for verifying the system data.

4. (Currently Amended) ~~Method~~ The method as set forth ~~claimed~~
in claim 1, characterized in that a message authentication code
algorithm is used for generating the cryptographic summary and for
verifying the system data.

5. (Currently Amended) ~~Method~~ The method as set forth ~~claimed~~
in claim 1, characterized in that a key signature algorithm is used
for generating the cryptographic summary and for verifying the
system data, and that a signature is stored as cryptographic
summary.

6. (Currently Amended) ~~Method~~ The method as set forth ~~claimed~~
in claim 1, characterized in that the cryptographic summary is
generated and the system data are stored in the recordable data
area as part of ~~the~~ a formatting of the storage medium.

7. (Currently Amended) ~~Method~~ The method as set forth ~~claimed~~
in claim 1, characterized in that copy protection information is
stored as system data, ~~in particular~~ said copy protection
information including a unique storage medium identifier, a key
encrypted by one or more different manufacturer-specific or device-
specific keys or one or more lists of revoked devices or revoked
storage mediums.

8. (Currently Amended) ~~Method~~ The method as set forth ~~claimed~~
in claim 1, characterized in that the system data is originally
stored in a corner area of the recordable data area and that during
first use of the storage medium in a recording apparatus, the
5 system data are copied to a user data area of the recordable data
area.

9. (Currently Amended) ~~Storage~~ A storage medium for storing
user data comprising:
— a recordable data area in which system data are stored,
— a read-only fixed data area in which a cryptographic
5 summary of the system data is stored,
wherein said storage medium cooperates with a recording
and/or reproducing apparatus such that the stored cryptographic
summary being provided for verification of is used to verify the
stored system data before enabling reading and/or recording of user
10 data.

10. (Cancelled).

11. (Currently Amended) ~~Storage~~ The storage medium as set
forth ~~claimed~~ in claim 9, characterized in that the storage medium
is a rewritable optical storage medium, in particular a CD or a
DVD.

12. (Currently Amended) ~~Recording~~ A recording apparatus for storing user data on a rewritable data storage medium, said

rewritable data storage medium having system data stored in a recordable data area and a cryptographic summary of the stored system data stored in a read-only fixed data area, said recording apparatus comprising:

— ~~generating~~ means for ~~generating~~ ~~reading~~ the cryptographic summary of system data; and

— ~~recording~~ ~~verifying~~ means for ~~storing~~ ~~verifying~~ the stored system data in a recordable data area of the medium and for storing using the cryptographic summary in a read only fixed data area of the medium, the cryptographic summary being provided for verification of the system data before reading and/or;

~~Enabling~~ means for enabling recording of user data in dependence on the verification of the system data; and

~~Recording~~ means for storing the user data in the recordable data area of the rewritable data storage medium.

13. (Cancelled).

14. (Currently Amended) ~~Playback~~ A playback apparatus for playback of user data stored on a rewritable data storage medium, said rewritable data storage medium having system data stored in a recordable data area and a cryptographic summary of the stored system data stored in a read-only fixed data area, said playback apparatus comprising:

— reading means for reading the system data stored in the recordable data area of the rewritable data storage medium and for reading ~~a~~ the cryptographic summary of the system data stored in ~~a~~ the read-only fixed data area of the medium ~~and;~~

— verifying means for ~~generating a cryptographic summary of~~ verifying the system data read from the medium ~~and for verification of the system data by use of the generated~~ using the cryptographic summary; ~~and~~

Enabling means for enabling, in response to the verification, the reading means to read the user data.

15-24. (Cancelled).

25. (Currently Amended) The storage medium as claimed in claim 9, wherein the fixed data area comprises a first fixed data area and a second fixed data area, the system data being stored in the second fixed data area and the cryptographic summary of the system data being stored in the first fixed data area.

26. (Currently Amended) The storage medium ~~of~~ as claimed in claim 25, wherein the second fixed data area is a corner area.

27. (Currently Amended) The storage medium ~~of~~ as claimed in claim 26, wherein the corner area is formed by pressed pits in the storage medium.

28. (Currently Amended) The storage medium ~~of as claimed in~~
claim 25, wherein the first fixed data area is a burst cut area.

29. (Currently Amended) A method of recording user data on a
rewriteable storage medium comprising a fixed data area and a
recordable data area, wherein system data is stored in the
recordable data area and a cryptographic summary of the system data
5 | is stored in the fixed data area, said method comprising the steps
of:

generating a second cryptographic summary of the system
data;

10 | comparing the second cryptographic summary with the
cryptographic summary from the fixed data area; and

recording the user data in the recordable data area based
on the comparing the second cryptographic summary with the
cryptographic summary from the fixed data area.

30. (Currently Amended) A recording apparatus for recording
user data on a rewriteable storage medium comprising a fixed data
area and a recordable data area, wherein system data is stored in
the recordable data area and a cryptographic summary of the system
5 | data is stored in the fixed data area, said recording apparatus
comprising:

means for reading the system data from the recordable data
area and for reading the cryptographic summary from the fixed data
area;

10 means for generating a second cryptographic summary of the
system data;

 means for comparing the second cryptographic summary with
the cryptographic summary from the fixed data area; and

 means recording the user data in the recordable data area
15 based on the comparing the second cryptographic summary with the
cryptographic summary from the fixed data area.